

Title (en)  
COOLING DEVICE AND ITS COOLING METHOD

Title (de)  
KÜHLEINRICHTUNG UND KÜHLVERFAHREN DAZU

Title (fr)  
DISPOSITIF ET PROCÉDE DE REFRIGERATION

Publication  
**EP 1069387 A4 20020320 (EN)**

Application  
**EP 99909218 A 19990317**

Priority  
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• JP 11752798 A 19980427

Abstract (en)  
[origin: EP1069387A1] A cooling device capable of reducing the amount of frost deposited on a cooling coil (7), wherein cooling fans (8a, 8b) are disposed at the front of the cooling coil (7), most of the flowing air discharged into a cooling chamber is discharged again into the cooling chamber by the cooling fans (8a, 8b) without being returned to the cooling coil (7), dry cooling air in the cooling coil (7) is sucked from the rear of the cooling fans (8a, 8b) and discharged into the cooling chamber, an air volume corresponding to the volume of sucked air passed through the cooling coil (7) is fed from the cooling chamber to the cooling coil (7) through areas not occupied by the cooling fans (8a, 8b), and the air feeding speed is so set as to permit vapor generated in the cooling chamber to solidify until the vapor is brought into contact with the surface of the cooling coil (7). <IMAGE>

IPC 1-7  
**F25D 21/04**; **F25D 11/00**; **F25D 13/06**; **F25D 17/06**; **A23L 3/36**; **F24F 3/14**

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Citation (search report)  
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• [Y] PATENT ABSTRACTS OF JAPAN vol. 018, no. 691 (M - 1731) 26 December 1994 (1994-12-26)  
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